



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/682,580	10/09/2003	Thomas Tseng		8500

29745 7590 03/23/2006

JOE NIEH  
18760 E. AMAR ROAD #204  
WALNUT, CA 91789

EXAMINER

CHAN, RICHARD

ART UNIT	PAPER NUMBER
----------	--------------

2618

DATE MAILED: 03/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/682,580	<b>Applicant(s)</b> TSENG, THOMAS	
	<b>Examiner</b> Richard Chan	<b>Art Unit</b> 2685	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 October 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some    \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claim 1 and 13 are rejected under 35 U.S.C. 102(e) as being anticipated by Quinno (US 2004/0141095 A1).

With respect to claim 1, Quinno discloses a modular entertainment system displayed in **Fig.2** comprising a multi-function dome light **24** with two ends with a DVD player **22** electrically connected to a first end of said multi-function dome light and a flip-down display **26** electrically connected to a second end of said multi-function dome light wherein the modular entertainment system replaces and installs in place of an original dome light in a vehicle. ([0019] [0020])

With respect to claim 13, Quinno discloses the modular entertainment system **Fig.2** comprising a DVD player electrically connected to a flip-down display **26** wherein the modular entertainment system replaces and installs in place of an original dome light **24** in a vehicle **10**. [0019-0022]

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 2 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Quinno (US 2004/0141095 A1) in view of Rajagopalan (US 2004/0082361).

With respect to claims 2 and 14 Quinno discloses the modular entertainment system as in claim 1 and 13 however Quinno does not disclose wherein said DVD player is interchangeable with another DVD player in order to replace the DVD player in case of faulty operation.

However the Rajagopalan reference discloses a device, which includes a built in CD-drive 17, which if desired by the user, can be interchanged with a DVD drive. **Page 3 paragraph [0040] Fig.4**

It would have been obvious to one of ordinary skill in the art to implement the interchangeable DVD module as disclosed by Rajagopalan with the DVD modular entertainment system of Quinno in order to interchange entertainment modules for the car system.

Art Unit: 2685

3. Claims 5 -12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Quinno (US 2004/0141095 A1) in view of Drago (US 5,461,188).

With respect to claims 5,7, 9, and 11 Quinno discloses the modular entertainment system as in claim 1,2,3,4 however does not specifically disclose wherein said multi-function dome light has a built-in neon light.

The Drago reference however discloses a multi-colored light source **32**, which is programmed to display sequential pattern of lights in synchrony with the cadence of the sounds emitted from at least one audio transducer. **Col.7 lines 54-61**

It would have been obvious to one of ordinary skill in the art to change the type of light bulb that is implemented in a bulb socket to be a neon light as disclosed by Drago, in order to produce an aesthetically pleasing light to the user of the entertainment system within the vehicle.

With respect to claim 6, 8, 10, and 12 Quinno discloses the modular entertainment system as in claim 5,7, 9, and 11 however Quinno does not disclose wherein said multi-function dome light-with the built-in neon light may be turned on and off as desired and is also synchronized to flash with the rhythm of the music in the vehicle.

The Drago reference however discloses a synthesized light including the use of neon lamps and a sound system that allows a music program to control the synthesis of the lights to the rhythmic beat.

Art Unit: 2685

It would have been obvious to one of ordinary skill in the art to implement the light and sound system of Drago with the modular entertainment system of Quinno in order to provide a aesthetic pleasing environment to the vehicle interior while using the entertainment module.

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The Kitano reference (US 6,724,317) discloses an a audio visual player system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chan whose telephone number is (571) 272-0570. The examiner can normally be reached on Mon - Fri (9AM - 5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2685

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Chan  
Examiner  
Art Unit 2685  
03/14/06

  
NAY MAUNG  
SUPERVISORY PATENT EXAMINER